

Message Text

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PAGE 01 VIENNA 07487 190741Z
ACTION IO-14

INFO OCT-01 EUR-12 ISO-00 OES-09 SAS-02 ACDA-12
CIAE-00 INR-10 L-03 NSAE-00 NSC-05 EB-08 NRC-07
SOE-02 DODE-00 SS-15 SP-02 CEQ-01 PM-05 OIC-02
/110 W

-----055893 200613Z /10

R 190731Z AUG 78
FM AMEMBASSY VIENNA
TO SECSTATE WASHDC 7653
INFO USDOEHQ WASHDC
USDOEHQ GERMANTOWN

UNCLAS VIENNA 07487

USIAEA

DEPT PASS IO/SCT, OES (BORIGHT), S/AS AND ACDA
DOE PASS AMMONS AND GIAMBUSSO, IA

E.O. 11652: N/A
TAGS: IAEA, ENRG, TECH
SUBJECT: INFCE: IAEA MEETING ON COMPUTATIONAL FACILITIES
FOR FUEL CYCLE CALCUATIONS

REFS: (A) VIENNA 7385, (B) TWX R171830Z AUG 78,
HANRAHAN/BENNETT

1. AGENDA FOR SEPTEMBER 5-6 MEETING, PROMISED REF A,
HAS BEEN RECEIVED FROM SECRETARIAT (L. BENNETT).
ABBREVIATED VERSION OF AGENDA SENT BY AGENCY VIA TWX
TO MSSRS CUNNINGHAM AND SCHWENNESON, DOE. EXPANDED
VERSION OF AGENDA, WHICH IS TO BE DISTRIBUTED TO PARTICI-
PANTS AT MEETING, HAS BEEN MADE AVAILABLE TO MISSION.
IN BELIEF THAT EXPANDED AGENDA WOULD AID IN US
PREPARATION FOR MEETING, IT IS QUOTED IN PARA 2 BELOW.

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2. AGENDA FOR SEPTEMBER 5-6 MEETING AS FOLLOWS:

A. AGENCY STAFF MEMBERS WILL PRESENT A WRITTEN AND ORAL
DESCRIPTION OF THE CURRENT STATUS AND CAPABILITIES OF
THE IAEA FUEL CYCLE MODEL. THIS WILL INCLUDE COMPUTER
PRINT-OUTS FOR SAMPLE PROBLEMS.

B. EXPERT REPRESENTATIVES FROM THE INFCE WORKING GROUPS WILL BE INVITED TO COMMENT UPON THE PRESENT AND PLANNED CAPABILITIES OF THE AGENCY MODEL, AND UPON THE TABULAR REPORTS GENERATED BY IT. ALSO, DISCUSSION WILL FOCUS ON APPLICABILITY OF AGENCY MODEL TO INFCE TASKS. THESE COMMENTS WILL ASSIST THE AGENCY IN MAKING IMPROVEMENTS TO THE MODEL AND IN OBTAINING OUTPUTS IN THE FORM MOST USEFUL TO WORKING GROUPS.

C. EXPERT REPRESENTATIVES WILL BE INVITED TO PERFORM FUEL CYCLE CALCULATIONS USING THEIR EXISTING FUEL CYCLE MODELS. RESULTS FROM THESE CALCULATIONS WILL BE COMPARED WITH RESULTS FROM THE AGENCY MODEL, AS A MEANS OF CHECKING ITS ACCURACY AND VERIFYING ITS ACCEPTABILITY FOR INFCE TASKS.

D. THE REPRESENTATIVES FROM INFCE WORKING GROUPS WILL BE ASKED TO ASSIST IN DEFINING A SET OF INITIAL STRATEGIES TO BE ANALYZED IN THE COMPARATIVE CALCULATIONS OF AGENDA ITEM C. ADVICE WILL BE ASKED ON MATTERS SUCH AS APPROPRIATE TIMING OF REPROCESSING CAPACITY, PU RECYCLE POLICIES, INTRODUCTION OF ADVANCED REACTOR TYPES, ETC. THE AIM WILL BE TO COMPLETELY DEFINE THE INPUT DATA FOR STRATEGIES FOR WHICH RESULTS WILL BE OF VALUE TO THE WORKING GROUPS, WHILE TESTING AND DEMONSTRATING THE CAPABILITIES OF THE AGENCY MODEL IN UNCLASSIFIED

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COMPARISON WITH EXISTING MODELS.

E. A SCHEDULE WILL BE PREPARED FOR FURTHER DEVELOPMENT OF THE AGENCY FUEL CYCLE MODEL, FOR CARRYING OUT AND ANALYZING RESULTS FROM THE COMPARATIVE CALCULATIONS OF THE STRATEGIES DEFINED IN AGENDA ITEM D, AND FOR ANY ADDITIONAL TASKS PROPOSED DURING THE MEETING.

F. THE AGENCY WILL ASK ADVICE FROM THE PARTICIPANTS ON HOW TO EFFECTIVELY INFORM THE INFCE WORKING GROUPS REGARDING THE CAPABILITIES OF THE AGENCY MODEL FOR APPLICATION TO INFCE TASKS.

G. THE NEED FOR FUTURE MEETINGS OF THE EXPERT PARTICIPANTS WILL BE CONSIDERED.

3. DURING DISCUSSION WITH MISOFF OF AGENDA ITEM D, BENNETT EXPRESSED HOPE THAT PARTICIPANTS, ESPECIALLY THOSE FROM COUNTRIES CO-CHAIRING WORKING GROUPS 4, 5 AND 8, WOULD BE ABLE TO IDENTIFY AND DESCRIBE AS MANY FUEL CYCLE STRATEGIES OF INTEREST TO INFCE AS THE WORKING GROUPS HAVE AGREED UPON TO DATE. MISSION BELIEVES THAT

MEETING MIGHT ALSO USEFULLY EXPLORE (POSSIBLY FOR FURTHER DISCUSSION AT OCTOBER TCC) MECHANISMS AND TIMETABLE BY WHICH WORKING GROUPS AND TCC ARE TO PROVIDE MORE COMPLETE DESCRIPTION OF CALCULATIONAL NEEDS, FUEL CYCLE CHARACTERISTICS, STRATEGIES AND SCENARIOS, AND WITH DATA DISPLAY NEEDS. THIS MATTER WAS LEFT UNSETTLED AT JUNE TCC.

4. MISSION NOTES DESIGNATION (BY REF B) OF MSSRS. OMBERG AND BOWN TO ATTEND SEPTEMBER 5-6 MEETING. IN VIEW OF AGENDA ITEMS D AND F, MISSION SUGGESTS THAT IF OMBERG AND BOWN NOT FULLY KNOWLEDGEABLE OF WG-8 ACTIVITIES, DOE MAY WISH TO CONSIDER EARLY ARRIVAL OF ONE MEMBER OF WG-8 (WHICH MEETS SEPTEMBER 11-14) SO THAT THIS PERSON CAN
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PARTICIPATE IN SEPTEMBER 5-6 MEETING TOGETHER WITH OMBERG AND BOWN. KIRK

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